

WHAT IS CLAIMED IS:

1. A sound field correcting method in an audio system, for supplying audio signals to a first sound generating means having a first reproducing frequency band and a second
5 reproducing frequency band and a second sound generating means having the second reproducing frequency band respectively to reproduce thereof,

said correcting method comprising:

10 a first step of supplying a noise to said first sound generating means and then detecting a reproduced sound in the first reproducing frequency band and a reproduced sound in the second reproducing frequency band, that are reproduced by said first sound generating means;

15 a second step of supplying the noise to said second sound generating means and then detecting the reproduced sound in the second reproducing frequency band; and

20 a third step of adjusting levels of the audio signals supplied to said first sound generating means and said second sound generating means such that a sum of a spectrum average level of the reproduced sound in the second reproducing frequency band reproduced by said first sound generating means and detected by the first step and a spectrum average level of the reproduced sound in the second reproducing frequency band reproduced by said second sound generating means and
25 detected by the second step and a spectrum average level of

the reproduced sound in the first reproducing frequency band detected by the first step are set equal to a ratio of predetermined target characteristics.

5 2. A sound field correcting method in an audio system, for supplying audio signals to a first sound generating means having a first reproducing frequency band and a second reproducing frequency band and a second sound generating means having the second reproducing frequency band respectively to
10 reproduce thereof,

said correcting method comprising:

a first step of supplying a noise to said first sound generating means and then detecting a reproduced sound in the first reproducing frequency band and a reproduced sound in the
15 second reproducing frequency band, that are reproduced by said first sound generating means;

a second step of supplying the noise to said second sound generating means and then detecting the reproduced sound in the second reproducing frequency band; and

20 a third step of adjusting levels of the audio signals supplied to said first sound generating means and said second sound generating means such that a ratio of a sum of a spectrum average level of the reproduced sound in the second reproducing frequency band reproduced by said first sound generating means
25 and detected by the first step and a spectrum average level

of the reproduced sound in the second reproducing frequency band reproduced by said second sound generating means and detected by the second step to a spectrum average level of the reproduced sound in the first reproducing frequency band
5 detected by the first step is set equal to a predetermined value.

3. The sound field correcting method in an audio system,
according to claim 1 or 2, wherein

10 the first reproducing frequency band is substantially equal to an audio frequency band, and
the second reproducing frequency band is substantially equal to a low frequency band.

15 4. The sound field correcting method in an audio system,
according to claim 1, wherein

the first reproducing frequency band is substantially equal to an audio frequency band, and
the second reproducing frequency band is substantially
20 equal to a high frequency band.